

Wireless Network Audio System

Operating Instructions

Owner's Record

The model and serial numbers are located on the bottom of the unit. Record the serial number in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. _____

Serial No. _____

CPF-IX001

WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

This product is to be used indoor only.

To prevent fire, do not cover the ventilation of the apparatus with news papers, table-cloths, curtains, etc. And don't place lighted candles on the apparatus.

To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus.

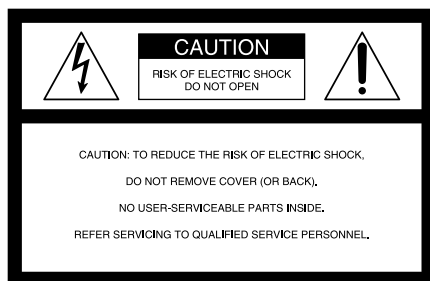
Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

The nameplate is located on the bottom exterior.

CAUTION

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

Notice for the customers in the U.S.A.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

This graphic symbol is located on the bottom of the unit.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

This equipment complies with FCC radiation exposure limits set forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65. This equipment should be installed and operated with at least 20cm and more between the radiator and person's body (excluding extremities: hands, wrists, feet and legs).

Important Safety Instructions

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



WARNING

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

If you have any questions about this product, you may call;

Sony Customer Information Services Center
1-800-222-7669 or <http://www.sony.com/>

The Number below is for the FCC related matters only.

Regulatory Information

Declaration of Conformity

Trade Name: SONY
Model No.: CPF-IX001
Responsible Party: Sony Electronics Inc.
Address: 16530 Via Esprillo,
San Diego, CA 92127 U.S.A.
Telephone No.: 858-942-2230

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions.:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC RECOMMEND

The shielded interface cable recommended in this manual must be used with this equipment in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules.

Notice for the customers in Canada

This device complies with RSS-Gen of IC Rules.
Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device.

This equipment complies with IC radiation exposure limits set forth for uncontrolled equipment and meets RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment should be installed and operated with at least 20cm and more between the radiator and person’s body (excluding extremities: hands, wrists, feet and legs).

This class B digital apparatus complies with Canadian ICES-003.

Table of Contents

About CPF-IX001 manual	5
Overview	6

Getting Started

1: Checking supplied items	7
2: Installing the supplied M-crew Server Ver. 2.0 software	8
3: Preparing the remote	8
4: Installing the CPF-IX001	10
5: Connecting the CPF-IX001 to the network	11
6: Turning on/off the CPF-IX001	12
7: Connecting a server	12

Listening to music

– MUSIC SURFIN'

Registering tracks to the M-crew Server Ver. 2.0	14
Listening to music stored on your computer	14
Listening to music in a playlist	16
— PLAYLIST	
Listening to music in a favorite playlist	17
— FAVORITE PLAYLIST	
Registration/FAVORITE PLAYLIST Play	

Listening to web radio

– WEB RADIO

Listening to web radio using M-crew Server Ver. 2.0	18
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Advanced network settings

Using the network menu	19
Selecting another server	19
Making network settings manually	20
Restarting the network unit	20
Registering the CPF-IX001 on your computer manually	21
Checking network settings	21

Other operations

Adjusting the sound	22
Falling asleep to music	22
— Sleep Timer	
Turning off the display	22
Viewing information in the display	23
Listening to audio from a connected component	23

Troubleshooting

Problems and remedies	24
Messages	26

Additional Information

Explanation of wireless setup windows	28
Glossary	31
Precautions	32
Specifications	33
List of button locations and reference pages	34

Check the following website for CPF-IX001
firmware updates;

USA:

<http://esupport.sony.com/?ref=http%3A//>

www.sony.com/index.php

Canada:

[http://www.sony.ca/sonyca/view/english/](http://www.sony.ca/sonyca/view/english/warranty/consumer_support.shtml)

[warranty/consumer_support.shtml](http://www.sony.ca/sonyca/view/english/warranty/consumer_support.shtml)

Europe:

[http://support.sony-europe.com/main/](http://support.sony-europe.com/main/main.asp?l=en)

[main.asp?l=en](http://support.sony-europe.com/main/main.asp?l=en)

About CPF-IX001 manual

CPF-IX001 contains the following manuals.
Refer to them as required by the operation.

CPF-IX001 Quick Setup Guide

This guide explains how to setup the CPF-IX001.

CPF-IX001 Operating Instructions (this manual)

This manual explains the operations of the CPF-IX001 itself.

This manual mainly explains operations using the remote.

“M-crew Server Ver. 2.0” Install manual

This install manual is included on the supplied CD-ROM.

It explains how to install the supplied “M-crew Server Ver. 2.0” software on your computer.

“M-crew Server Ver. 2.0” Help

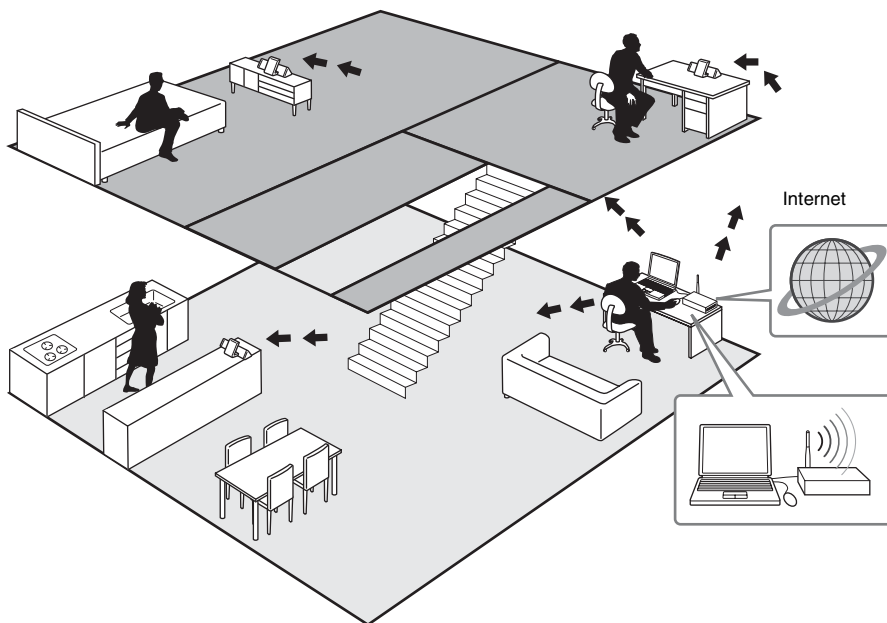
This help manual can be used only after the “M-crew Server Ver. 2.0” software is installed.

It explains the operations of the “M-crew Server Ver. 2.0” software which is included on the same CD-ROM.

Overview

Enjoying music stored on your computer

- You can listen to music stored on your computer by operating the CPF-IX001.
- You can use MUSIC SURFIN' to easily enjoy tracks registered to M-crew Server (page 15).
- You can register the current track to your favorite playlist and play tracks using quick and easy remote commander operations.
- For the computers with internet connections, you can also enjoy listening to web radio.



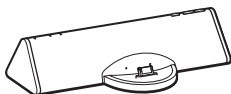
Note

If you perform an operation (recording, file importing, using other applications, etc.) that places a load on the server PC while playing back a track registered to the server PC, the sound may skip. In addition, the sound may also skip depending on the network status.

Getting Started

1: Checking supplied items

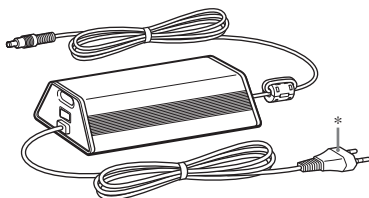
Main unit



Network unit

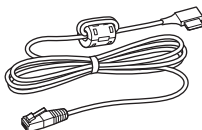


Subwoofer

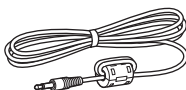


* The shape of the plug differs depending on the area.

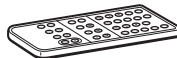
Network cable for CPF-IX001



LINE IN cable



Remote commander with battery



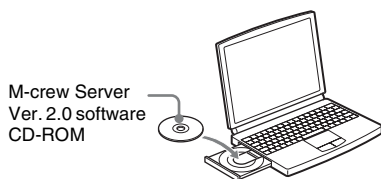
M-crew Server Ver. 2.0 software CD-ROM



2: Installing the supplied M-crew Server Ver. 2.0 software

To enjoy listening to the music stored on your computer or listening to the web radio, you must first install the supplied M-crew Server Ver. 2.0 software.

The installation screen starts up automatically when you insert the supplied CD-ROM into the computer, so follow the instructions on the screen and install the software.



For details on the installation, refer to the “M-crew Server Ver. 2.0” Install manual contained on the supplied CD-ROM.

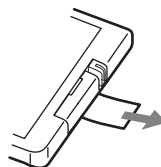
Note for NAS-CZ1 users

Install M-crew Server Ver. 2.0 without uninstalling M-crew Server Ver. 1.0. The contents information can be used even after installing M-crew Server Ver. 2.0.

3: Preparing the remote

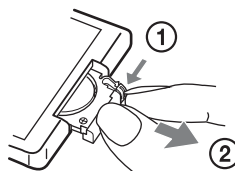
Pull out the insulating sheet to allow power to flow from the battery.

The remote already contains a battery.

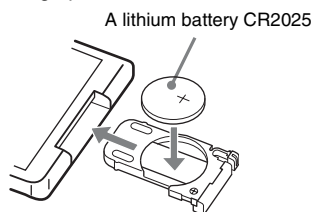


Replacing the battery in the remote

1 Slide out and remove the battery case.



2 Insert a new lithium battery CR2025 with the + side facing up.



3 Slide the battery case back in.

Note

If you do not use the remote for a long period of time, remove the battery to avoid possible damage from battery leakage and corrosion.

Notes on lithium battery

- Keep the lithium battery out of the reach of children.
Should the battery be swallowed, immediately consult a doctor.
- Wipe the battery with a dry cloth to assure a good contact.
- Be sure to observe the correct polarity when installing the battery.
- Do not hold the battery with metallic tweezers, otherwise a short-circuit may occur.

Tip

When the remote can no longer operate the CPF-IX001, replace the battery with a new one.

WARNING

Battery may explode if you mistreated.

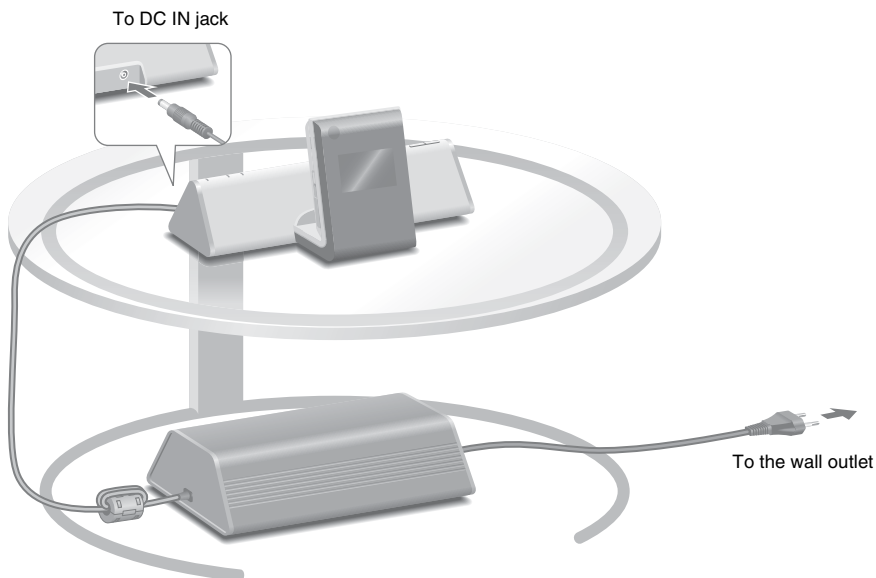
Do not recharge, disassemble or dispose of in fire.

4: Installing the CPF-IX001

The illustration below is an example of how to position the CPF-IX001. You can place the subwoofer anywhere on the floor.

Notes

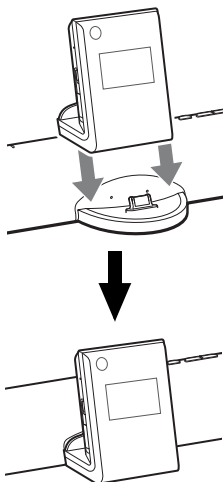
- Do not use the subwoofer for any other device.
- Do not connect any other AC adaptor to the main unit.
- The CPF-IX001 is not designed to be used as a portable device.
- The main unit and the network unit each have a remote sensor. Point the remote at the remote sensor of the main unit or the network unit depending on the operation.
- Remove the obstacle between the CPF-IX001 and the remote.



To connect/disconnect the network unit

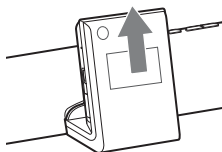
Connecting

- 1 Turn off the power switch I/O on the subwoofer.
- 2 Connect the network unit as shown below.



Disconnecting

- 1 Press SUSPEND to set the network unit to the suspended mode.
- 2 Turn off the power switch I/O on the subwoofer.
- 3 Disconnect the network unit as shown below.



Note

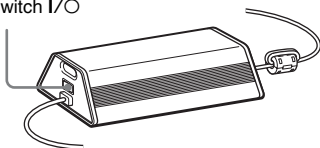
If the network unit is disconnected without first setting it to the suspended mode, the settings may not be saved.

5: Connecting the CPF-IX001 to the network

For the network connections and settings, refer to the “Quick Setup Guide” supplied with the CPF-IX001.

6: Turning on/off the CPF-IX001

Power switch I/O



To turn on the CPF-IX001

- 1 Connect the power cord to a wall outlet.
- 2 Turn on the power switch I/O on the subwoofer.

The ON indicator on the main unit lights up green.

The power is also supplied to the main unit and the network unit.

The demonstration appears in the display. When you press SUSPEND, the network unit starts up and the demonstration automatically ends. You can also turn off the demonstration by setting it beforehand.

To turn off the CPF-IX001

Press SUSPEND to set the network unit to the suspended mode, and then turn off the power switch I/O on the subwoofer.

Notes

- When the power switch I/O is turned off, the AC power shuts down. Install the CPF-IX001 so that the power switch I/O can be turned off immediately in the event of trouble.
- The network unit is not turned off as long as the power switch I/O on the subwoofer is on.

To turn the demonstration mode on and off

Press DISPLAY while the network unit is set to the suspended mode.

7: Connecting a server

You can listen to music stored on the connected media server with the CPF-IX001.

You can select your desired media server to be your default server. Doing so prevents you from having to make the selection each time you use network function.

Tip

You can also listen to music stored on DLNA-compliant servers other than M-crew Server Ver. 2.0.

1 Start up your desired media server on your computer.

2 Press SUSPEND to start up the network unit.

When there is only one server, this completes the operation.

When there are multiple servers, “SERVER?” appears, then press ENTER.

3 Press ◀◀ or ▶▶ repeatedly to select the desired media server, then press ENTER.

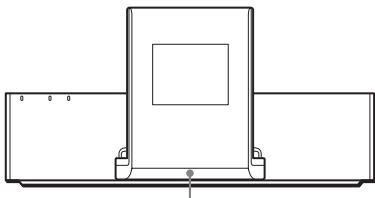
The selected server is set to the default server.

Note

You can use the following functions only when using the M-crew Server Ver. 2.0 as a media server.

- MUSIC SURFIN’
- PLAYLIST
- FAVORITE PLAYLIST
- WEB RADIO

Checking the network status



Network illumination	System status
Flashes slowly	The CPF-IX001 is communicating with the server.
Lights up	The network function is being used.
Flashes quickly	An error has occurred.

Tip
You can check the wireless strength on the display. When the signal is weak or out of range, move the CPF-IX001 and the wireless LAN router closer together, or remove any obstacles between them.

Display	Communication status
■ Flashes:	Out of range
■ Lights steadily:	Weak
■	Medium
■	Excellent

You are now finished setting up your CPF-IX001. For further information, see the “M-crew Server Ver. 2.0” Help.

Listening to music – MUSIC SURFIN’

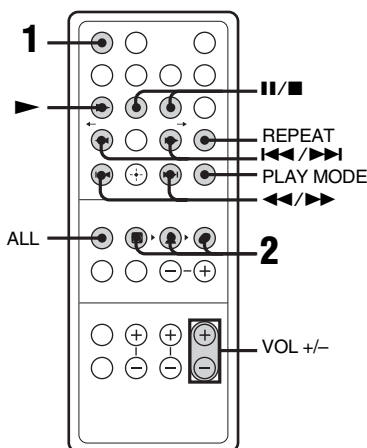
Registering tracks to the M-crew Server Ver. 2.0

You can register and store audio data from an audio CD or audio data from the hard disk drive of your computer to the M-crew Server Ver. 2.0. You can then listen to the music registered to the M-crew Server Ver. 2.0 through the CPF-IX001’s speaker.

For details on registering audio data, refer to the “M-crew Server Ver. 2.0” Help contained on the supplied CD-ROM.

Listening to music stored on your computer

You can listen to music stored on your computer through the CPF-IX001’s speaker. You can easily search for the desired track by using GENRE, ARTIST or ALBUM (MUSIC SURFIN’). Make sure you have registered audio data to the media server.

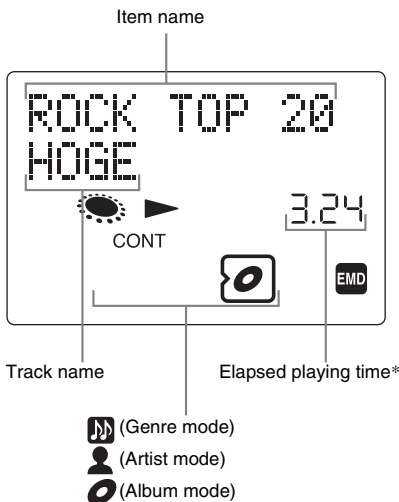


1 Press FUNCTION repeatedly to switch the function to the network function.

The LINE indicator on the main unit turns off.

2 Select the searching criteria using GENRE, ARTIST or ALBUM.

Playback starts when you press the button.



Lights up when connected with M-crew Server Ver. 2.0.

Lights up when playing a copyright protected track.

* Displays the total time when stopped.

Select	To
(Genre mode)	listen to items sorted according to the genre information of the tracks.
(Artist mode)	listen to items sorted according to the artist information of the tracks.
(Album mode)	listen to items sorted according to the album information of the tracks.

Tip

You can also search for tracks using a combination of the Genre, Artist and Album modes.

To listen to all tracks

Press ALL.

To enjoy music using MUSIC SURFIN'

You can easily search for the tracks you want to listen by using various searching criteria at the same time to narrow the search.

Example 1: To search for a track on an album by your favorite artist on the server

- 1 Press ARTIST repeatedly until the name of your favorite artist appears.
- 2 Press ALBUM repeatedly until the album title that contains the track you are searching for appears.
- 3 Press ◀◀ or ▶▶ repeatedly to select the desired track.

Example 2: To listen to tracks related to the current track

- Press ARTIST to listen to tracks by the same artist.
Only tracks by the artist of the current track are played.
- Press GENRE or ALBUM.
You can also narrow the search by genre and album during playback in the same manner.

Note

Some time may be required before playback starts depending on the number of tracks registered to the server.

Other operations

To	Do this
Play	Press ▶.
Stop play	Press ■.
Pause	Press ⏸. Press again to resume play.
Select an item	Hold down or press + or – repeatedly. You can select icon items that have a border. “Item” refers to the genre in Genre mode, the artist in Artist mode, or the album in Album mode.
Select a track	Press ◀◀ or ▶▶ repeatedly.
Find a point in a track	Keep pressing ◀◀ or ▶▶ during playback and release it at the desired point. You can also move forward and backward in a track while playback is paused.

To	Do this
Play repeatedly (Repeat Play)	Press REPEAT repeatedly during playback until “REP” or “REP1” appears. REP: For all tracks. REP1: For a single track only. To cancel Repeat Play, press REPEAT repeatedly until both “REP” and “REP1” disappear.
Play all tracks in all items	Press PLAY MODE repeatedly until “CONT” appears.
Play all tracks only in the selected item in random order	Press PLAY MODE repeatedly until “SHUF” appears.
Play all tracks only in the selected item	Press PLAY MODE repeatedly until both “CONT” and “SHUF” disappear.
Adjust the volume	Press VOL +/- (or VOLUME +/- on the main unit).

Note

The ⏸ and ◀◀/▶▶ buttons may not work for some tracks when using a server other than M-crew Server Ver. 2.0.

Listening to music in a playlist


— PLAYLIST

You can listen to tracks registered to the M-crew Server Ver. 2.0 playlist.

1 Press **FUNCTION** repeatedly to switch the function to the network function.

The LINE indicator on the main unit turns off.

2 Press **PLAYLIST**.

“ (Playlist mode)” appears and the playback starts.

3 Press **+** or **–** repeatedly to select a playlist you want to play.

Note

Some time you may not be able to use the Playlist mode with a media server other than the supplied M-crew Server Ver. 2.0.

What is a PLAYLIST?

A playlist is a list created to play tracks stored on M-crew Server Ver. 2.0 using the CPF-IX001. This section describes how to effectively use playlists.

A Listening to music in a playlist as a simple playlist¹⁾²⁾

When the CPF-IX001 first connects to M-crew Server Ver. 2.0, tracks that meet certain conditions are automatically registered in the following playlists. These Simple Playlist contents are automatically updated.

- The 30 tracks most recently loaded from CDs or imported (**Newly Registered**)
- The top 30 tracks in terms of number of times played (**Frequently Played**)
- The top 30 tracks most recently played (**Recently Played**)

B Listening to music in a playlist you have created³⁾

You can create your own playlist on M-crew Server Ver. 2.0 and register your favorite tracks. For details, see “Creating a New Playlist” in the “M-crew Server Ver. 2.0” Help.

C Listening to music in a favorite playlist (FAVORITE PLAYLIST)³⁾

When playing a favorite track registered in M-crew Server Ver. 2.0 using the CPF-IX001, you can register the track in the FAVORITE PLAYLIST simply by pressing the FAVORITE ADD button on the remote.

¹⁾ The number of tracks that can be registered varies according to the conditions set on M-crew Server Ver. 2.0.

²⁾ The CPF-IX001 does not support the Never Played playlist.

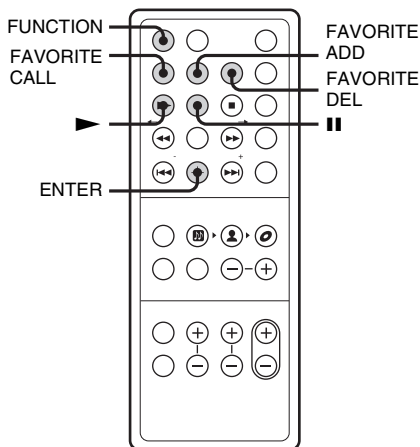
³⁾ Up to a maximum of 100 tracks.

Listening to music in a favorite playlist

— FAVORITE PLAYLIST Registration/ FAVORITE PLAYLIST Play

What is a FAVORITE PLAYLIST?

You can register the current track to your favorite playlist and play tracks using quick and easy remote commander operations. Each favorite playlist can contain up to 100 tracks.



Registering tracks to a favorite playlist

- 1 During the playback or play pause of the desired track, press **FAVORITE ADD**.
“FAVORITE” appears.
- 2 After “FAVORITE” disappears, repeat step 1 to register the desired tracks.

Playing favorite playlist

- 1 Press **FUNCTION** repeatedly to switch the function to the network function.
The LINE indicator on the main unit turns off.
- 2 Press **FAVORITE CALL**.
Playback starts.

Tip

You can also play the favorite playlist through the following procedure:

- 1 Press **PLAYLIST**.
“ (Playlist mode)” appears.
- 2 Press + or – repeatedly until “FAVORITE” appears.

Deleting tracks from a favorite playlist

- 1 Press **▶** or **II** to play or pause the track you want to delete from a favorite playlist.
- 2 Press **FAVORITE DEL**.
“DELETE?” appears.
- 3 Press **ENTER**.
“Deleting” appears, then “Complete!” appears.

Notes

- If you edit a track in an item that is registered to a FAVORITE PLAYLIST on your computer, the track is erased from the FAVORITE PLAYLIST automatically (except when you changed the track name).
- During the playback of a track in a favorite playlist, you cannot press FAVORITE ADD to register the track to a favorite playlist.
- When you press FAVORITE DEL, the track is erased from the FAVORITE PLAYLIST but remains in the MUSIC LIBRARY on your computer.

Listening to web radio – WEB RADIO


Listening to web radio using M-crew Server Ver. 2.0

You can listen to web radio programs using M-crew Server Ver. 2.0 and internet access. Preset web radio stations on your computer first.

1 Press FUNCTION repeatedly to switch the function to the network function.

The LINE indicator on the main unit turns off.

2 Press WEB RADIO.

“” appears.

3 Press + or – repeatedly until the desired station appears.

4 Press or repeatedly until the desired program appears.



To stop web radio program




Press .

To edit web radio stations

You can edit web radio stations only on the M-crew Server Ver. 2.0.

For details, refer to “Editing Preset Radio Stations” of the “M-crew Server Ver. 2.0” Help contained on the supplied CD-ROM.

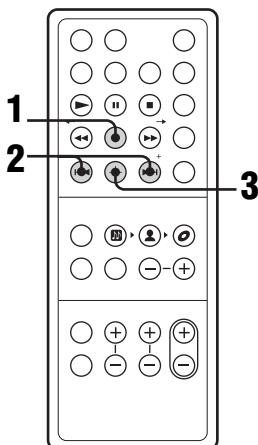
Notes

- You cannot use the web radio function with a media server other than the supplied M-crew Server Ver. 2.0.
- If the web radio sound cannot be heard from the CPF-IX001's speaker, check whether the sound can be heard using M-crew Server Ver. 2.0 on the computer.
- The ,  and  buttons are not available for this function.
- For details on internet access and settings, refer to the operation manual supplied with your computer or contact your internet provider.

Advanced network settings

Using the network menu

By using the network menu, you can make various settings on network.



1 Press MENU.

2 Press ◀◀ or ▶▶ repeatedly to select the item that you want to set.

Item	See
SERVER?	“Selecting another server” (page 19).
NET SETUP?	“Making network settings manually” (page 20).
RESTART?	“Restarting the network unit” (page 20).
WLAN SETUP?	Refer to the “Quick Setup Guide” supplied with the CPF-IX001.
REGISTER?	“Registering the CPF-IX001 on your computer manually” (page 21).
NET INFO?	“Checking network settings” (page 21).
VERSION?	(Confirm the CPF-IX001 firmware version)

3 Press ENTER.

To turn off the network menu

Press MENU repeatedly until you exit the network menu.

Selecting another server

1 Select “SERVER?” in the network menu (page 19), then press ENTER.

2 Press ◀◀ or ▶▶ repeatedly to select the desired media server, then press ENTER.

Note

You can select the server from up to 10 servers.

Making network settings manually

By default the CPF-IX001 acquires an IP address automatically. Use the following procedure to specify an IP address, if necessary. Note that when the CPF-IX001 is used in an environment containing a router with DHCP, you should not need to specify the IP address of the CPF-IX001.

- 1** Select “NET SETUP?” in the network menu (page 19), then press ENTER.
- 2** Press **◀** or **▶** repeatedly until “NET TYPE?” appears, then press ENTER.
- 3** Press **◀** or **▶** repeatedly until “MANUAL?” appears, then press ENTER.
“IP ADDRESS?” appears.
- 4** Press ENTER again.
The currently set IP address appears.
- 5** Press **◀** or **▶** repeatedly to enter the numeric values of the IP address.
Press **◀** or **▶** repeatedly to select the digit that you want to set.
- 6** Press ENTER.
“SUBNET MASK?” appears.
- 7** Press ENTER again.
The currently set subnet mask appears.
- 8** Press **◀** or **▶** repeatedly to enter the numeric values of the subnet mask.
Press **◀** or **▶** repeatedly to select the digit that you want to set.
- 9** Press ENTER.
“GATEWAY?” appears.
- 10** Press ENTER again.
The current default gateway appears.
- 11** Press **◀** or **▶** repeatedly to enter the numeric values of the default gateway.
Press **◀** or **▶** repeatedly to select the digit that you want to set.

12 Press ENTER.

13 Press SUSPEND to set the network unit to the suspended mode.

14 Press SUSPEND again to start up the network unit.

To return to the automatic setting

- 1** Select “NET SETUP?” in the network menu (page 19), then press ENTER.
- 2** Press **◀** or **▶** repeatedly until “NET TYPE?” appears, then press ENTER.
- 3** Press **◀** or **▶** repeatedly until “AUTO?” appears, then press ENTER.
- 4** Press SUSPEND to set the network unit to the suspended mode.
- 5** Press SUSPEND again to start up the network unit.

Restarting the network unit

Select “RESTART?” in the network menu (page 19), then press ENTER.

Registering the CPF-IX001 on your computer manually

When the CPF-IX001 is connected to your computer after installing the M-crew Server Ver. 2.0 software, the CPF-IX001 is registered automatically on your computer. Register the CPF-IX001 on your computer manually for higher security.

1 Select “REGISTER?” in the network menu (page 19), then press ENTER.

The count down display appears in the display of the CPF-IX001.

2 Click [Start] – [All programs] – [M-crew Server] – [TOOLS] – [EQUIPMENT LIST] in that order to display the screen on the M-crew Server Ver. 2.0.

For details, see the “M-crew Server Ver. 2.0” Install Manual included on the supplied CD-ROM.

3 During displaying the count down display, set “Equipment selection mode” to “Manual”, and then click [Add] on your computer.

The registration starts.

“Complete!” appears in the display of the CPF-IX001 when the registration is completed.

Notes

- When the registration is incomplete, “Incomplete!” appears in the display of the CPF-IX001.
- Step 3 must be performed within 5 minutes after performing step 1.

Checking network settings

1 Select “NET INFO?” in the network menu (page 19), then press ENTER.

2 Press ◀ or ▶ repeatedly to select the item that you want to check, then press ENTER.

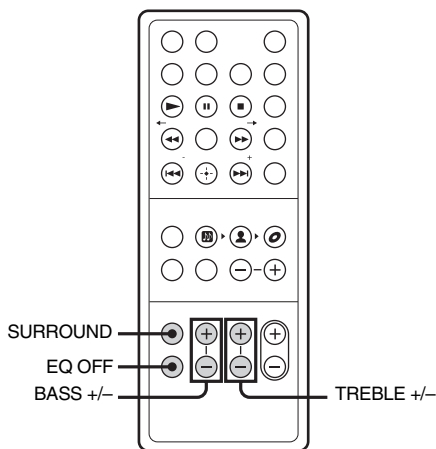
Each time you press ENTER, the display changes cyclically as follows:

NET TYPE? → AUTO* →
 IP ADDRESS? → IP address* →
 SUBNET MASK? → Subnet mask* →
 GATEWAY? → Default Gateway* →
 MAC ADDRESS? → MAC address →
 SERVER NAME? → Connected server* →
 MY NAME? → Name assigned by
 M-crew Server Ver. 2.0*

* The display may differ depending on the settings.

Other operations

Adjusting the sound



Selecting the surround effect

Press SURROUND.

Each time you press the button, the surround effect changes as follows:

Off ↔ On

The SURROUND indicator on the main unit turns on and off each time you press SURROUND.

Adjusting the bass and treble

You can adjust the bass and treble.

Press BASS +/- or TREBLE +/- repeatedly to adjust the level you want to set (±3 steps).

To reset the bass and treble settings

Press EQ OFF.

Falling asleep to music

— Sleep Timer

You can set the network unit to the suspended mode after a certain time, so that you can fall asleep to music.

Press SLEEP.

Each time you press the button, the minute display (the turn-off time) changes cyclically as follows:

90min → 80min → ... → 10min → OFF → 90min → ...

Other operations

To	Press
Check the remaining time	SLEEP once.
Change the time to turn off	SLEEP repeatedly to select the time you want.
Cancel the Sleep Timer Function	SLEEP repeatedly until "OFF" appears.

Turning off the display

If no operation is performed for about a few minutes, the display darkens to minimize the amount of power consumed (Auto dimmer function).

To cancel Auto dimmer function

Press any button other than FUNCTION, SURROUND, EQ OFF, BASS +/-, TREBLE +/- or VOL +/- (or VOLUME +/- on the main unit).

Viewing information in the display

You can check the following information in the display of the CPF-IX001.

Note that this function is not available when listening to web radio.

Checking the playing time and remaining time

You can check the playing time and remaining time of the current track.

Press **TIME** during playback.

Each time you press the button, the display changes cyclically as follows:

Elapsed playing time → Remaining time

Checking the title and track number

Press **DISPLAY** during playback or while the track is selected in stop mode.

Each time you press the button, the display changes cyclically as follows:

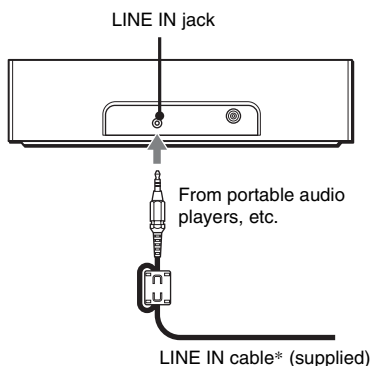
Track title → Album information on the track → Artist information on the track → Genre information on the track → Current track number and total number of tracks within the item

Notes

- “—:—:—” appears when the total time exceeds 999 minutes 59 seconds.
- Total number of tracks appears when the track is not selected in stop mode.

Listening to audio from a connected component

You can connect portable audio players to the CPF-IX001.



* Connect the end with the ferrite core to the LINE IN jack.

- 1 Connect an optional portable audio player to the LINE IN jack.**
Use the supplied LINE IN cable to connect portable audio players to this jack.

- 2 Press **FUNCTION** repeatedly to switch the function to LINE.**

The LINE indicator on the main unit turns on.

You can then listen to the sound from the portable audio player.

Troubleshooting

Problems and remedies

Should you encounter a problem with your system, do the following:

- 1 Make sure the power cord is correctly and firmly connected.
- 2 Find your problem in the troubleshooting checklist below and take the indicated corrective action.

If the problem persists after doing all of the above, consult your nearest Sony dealer. Note that if service personnel changes some parts during repair, these parts may be retained. When bringing the system in for repairs, be sure to bring in the entire system.

This product is a system product, and the entire system is needed to determine the location requiring repair.

General

The display of the network unit starts flashing as soon as you turn on the power switch I/O on the subwoofer even though you have not started up the network unit.

- Press SUSPEND to start up the network unit. The demonstration disappears.
- Press DISPLAY.

There is no sound.

- Make sure the subwoofer is on.
- Check the connections.
- Press VOL + (VOLUME + on the main unit). If the volume is still low even after the CPF-IX001's volume is turned up to the maximum level, adjust the volume of the connected portable audio player.
- Make sure the network unit is securely connected.
- Make sure the network unit is playing music.
- Check that the function indicator on the main unit is correct.

There is severe hum or noise.

- Move the CPF-IX001 away from the source of noise.
- Connect the CPF-IX001 to a different wall outlet.
- Install a noise filter (commercially available) to the power cord.

The remote does not function.

- Remove the obstacle.
- Move the remote closer to the CPF-IX001.
- Point the remote at the main unit's sensor or the network unit's sensor depending on the operation.
- Replace the CR2025 battery.
- Locate the CPF-IX001 away from the fluorescent light.

The CPF-IX001 can not be turned on even though you have turned on the power.

- Make sure the power cord is connected to a wall outlet.

The sound is distorted.

- Press VOL – (or VOLUME – on the main unit) to reduce the volume.
- Do not connect equipment other than portable audio players.

Network

The desired server cannot be found.

- Restart the computer.
- Check the WIRELESS/WIRED selector on the network unit.
- Check the network settings on your computer.
- Start up the server you want to use on your computer.
- Check the network settings on the CPF-IX001 side.
- Set the router or hub again correctly. For details, see the instruction manual of the router or hub.
- When setting a firewall other than that provided with the OS, refer to Troubleshooting in the "M-crew Server Ver. 2.0" Install manual included on the supplied CD-ROM.
- Reduce the number of servers that can be connected to 10 servers or less (page 19).
- Follow the procedure below and reconnect to the server.
 1. Press MENU.
 2. Select "SERVER?" in the network menu (page 19), then press ENTER.
 3. Press ◀◀/▶▶ repeatedly to select the desired media server, then press ENTER.

Tracks registered to a server cannot be selected by the CPF-IX001.

- Track selection, playback and other operations on the CPF-IX001 side may not be possible for servers other than M-crew Server Ver. 2.0.

The sound skips.

- Sound skipping may occur in the following cases:
 - When music is being recorded onto the server
 - When the computer is running many applications
 - When the network status is crowded
 - When multiple CPF-IX001 systems are performing playback simultaneously
- When the computer and the wireless LAN router are connected by a wireless connection, change it to a wired connection.
- When the wireless LAN router and the CPF-IX001 are connected by a wireless connection, position the CPF-IX001 as close to the wireless LAN router as possible.

Track names are not displayed.

- Some types of input characters cannot be displayed by the CPF-IX001, even if they can be registered and displayed on the server.

Operation commands take time.

- Depending on the condition of the server, it may take a while until operation proceeds. For example, when there is no response after pressing ◀◀/▶▶, keep pressing ◀◀/▶▶ for a while. Afterwards, operation should begin.

Wireless connection does not work well.

- Check that the wireless settings (SSID, Security mode, Key) match the settings of your wireless LAN router.
 - Check that your wireless LAN router uses the latest firmware version. If it is not the latest version, updating the firmware may improve the communication quality. For details, refer to the operation manual of your wireless LAN router.
-

Optional components

There is no sound.

- Refer to General items “There is no sound.” and check the condition of the CPF-IX001.
- Connect the portable audio player properly (page 23) while checking:
 - if LINE IN cable connected properly.
 - if LINE IN cable plug is firmly inserted all the way.
- Turn on the connected portable audio player.
- Refer to the operating instructions supplied with the connected portable audio player and start playing.

The sound is distorted.

- Set the volume of the connected portable audio player lower.
-

If the CPF-IX001 still does not operate properly after performing the above measures, reset the CPF-IX001 as follows:

- 1 If the network unit is in the suspended mode, press SUSPEND to start it up.
- 2 If play starts, press ■ to stop play.
- 3 Insert a fine-tipped object into the RESET hole on the side of the network unit and press in.
- 4 The network unit restarts.

The CPF-IX001 is reset to the factory settings. You should set the settings you made.

Messages

If a message appears while using the CPF-IX001, follow the procedures below to correct the problem.

Network

Cannot Play

- Start up M-crew Server Ver. 2.0 and click the [ERROR LOG] button in the LAUNCHER window, or right-click the M-crew Server task tray icon* and select “ERROR LOG VIEWER”, then check the error log.
- The track cannot be played in the following cases:
 - Sampling rate is other than 32 kHz, 44.1 kHz, 48 kHz.
 - The track is not being streamed by linear PCM.
 - The track is other than one channel or two channel.
 - The track sampling bits are other than 16 bits.
 - The server status is busy.

Check Net

- Check that the network cable between the CPF-IX001 and the hub or router is firmly connected.
- Check that the hub or router is turned on.
- Set the wireless LAN router channel to any channel from CH1 to CH11. For details, refer to the operation manual of your wireless LAN router.

IP Conflict

- Set the IP addresses of the CPF-IX001 and other devices on the network so that there is no duplication (page 20).

No Item

- Register the track as instructed by the operation manual of the connected server.
- Follow the procedure below and reconnect to the server.
 1. Press MENU.
 2. Select “SERVER?” in the network menu (page 19), then press ENTER.
 3. Press ◀◀/▶▶ repeatedly to select the desired media server, then press ENTER.

No Server/No response

- Restart the computer.
- Check the WIRELESS/WIRED selector on the network unit.
- Start up the server. M-crew Server Ver. 2.0 can be started up by the following method: Right-click the M-crew Server task tray icon*, then click “Start Music Service” in the menu.
- M-crew Server Ver. 2.0 may not be recognizing the CPF-IX001. Follow the procedure below and check whether M-crew Server Ver. 2.0 is recognizing the CPF-IX001:
 1. Click [Start] – [All Programs] – [M-crew Server] – [TOOLS] – [EQUIPMENT LIST] in that order.
 2. If the CPF-IX001 is not present in the list that appears in step 1, device registration must be performed. For details, see the “M-crew Server Ver. 2.0” Help or “M-crew Server Ver. 2.0” Install manual within M-crew Server Ver. 2.0.
- When setting a firewall other than that provided with the OS, refer to Troubleshooting in the “M-crew Server Ver. 2.0” Install manual included on the supplied CD-ROM.
- Perform the TCP/IP settings and wireless settings correctly for the CPF-IX001 and the computer (page 20).

Press MENU

- Follow the procedure below and reconnect to the server.
 1. Press MENU.
 2. Select “SERVER?” in the network menu (page 19), then press ENTER.
 3. Press ◀◀/▶▶ repeatedly to select the desired media server, then press ENTER.

Server Err


- Follow the procedure below and reconnect to the server.
 1. Press MENU.
 2. Select “SERVER?” in the network menu (page 19), then press ENTER.
 3. Press ◀◀/▶▶ repeatedly to select the desired media server, then press ENTER.

Server Close

- Start up the server. M-crew Server Ver. 2.0 can be started up by the following method: Right-click the M-crew Server task tray icon*, then click “Start Music Service” in the menu.
- When you want to change the computer’s network settings, restart the server on your computer. This message disappears after a short time.

WebRadio Err

- Register a station that can be played back on M-crew Server Ver. 2.0.
- Connection may be difficult depending on the internet line status. Wait a bit and then perform the operation again.

* M-crew Server task tray icon is .

Additional Information

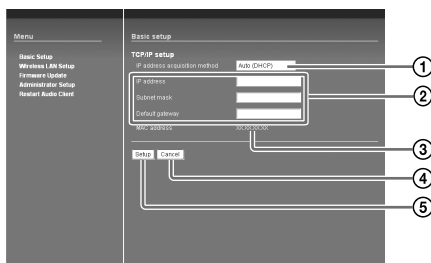
Explanation of wireless setup windows

Configure the CPF-IX001 to communicate on your wireless LAN network.

For how to display the wireless setup windows, refer to the “Quick Setup Guide” supplied with the CPF-IX001.

Basic setup window

You can make the basic network settings here.



- ① Select an IP address acquisition method from the pull-down menu.

To acquire it from the DHCP server automatically, select [Auto (DHCP)]. To enter it manually, select [Manual (Static IP)].

Tip

If your wireless LAN router supports DHCP, select [Auto (DHCP)].

- ② When you select [Auto (DHCP)] in ①, setup is automatically completed.

When you select [Manual (Static IP)], you need to enter appropriate values by yourself.

Tips

- When you select [Auto (DHCP)], you cannot change the assigned values.
- When you select [Manual (Static IP)], see the operating instructions for the values to be entered.
- Enter decimal numbers from 0 to 255 for an IP address.

- ③ The MAC address of your CPF-IX001 is displayed.

- ④ Cancel the settings.

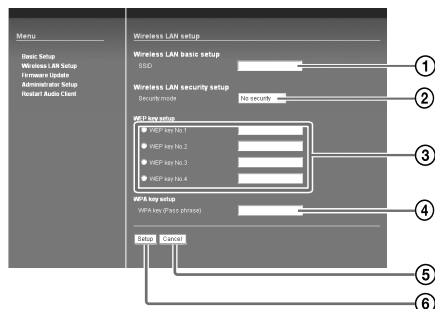
- ⑤ Click the button to confirm the set values.

If any of the set values is incorrect, a dialog box appears.

Click [Setup] to show the set values. Correct them if necessary.

Wireless LAN setup window

You can make wireless LAN settings here.



- ① Enter the network name (SSID) of the wireless LAN router.

Be sure to enter the one used for your wireless LAN router.

“SSID” is an ID used to identify a wireless network.

- ② From the pull-down menu, select the security mode for your wireless LAN router.

Select one of the following:

No security
WEP 64bits
WEP 128bits
WPA (TKIP)
WPA (AES)
WPA2 (TKIP)
WPA2 (AES)

- ③ Enter a security key when you select [WEP 64bits] or [WEP 128bits] in ②.

Select the security key number and enter the security key for your wireless LAN router.

Enter either characters or hexadecimal numbers for the security key.

The security keys should be arbitrary characters and numbers.

The length of the security keys differs depending on the security mode you select. See the table below.

Input method/Number of the characters for security key

	WEP 64bits	WEP 128bits
Characters	5 (one-byte alphanumerics and/or symbols)	13 (one-byte alphanumerics and/or symbols)
Hexadecimal numbers	10 (0 to 9, A to F, a to f)	26 (0 to 9, A to F, a to f)

- ④ Enter a pre-shared key when you select [WPA(TKIP)], [WPA(AES)], [WPA2(TKIP)], or [WPA2(AES)] in ②.

Enter the pre-shared key for your wireless LAN router.

The length of the key should be 8 to 64 characters. If you input 64 characters, enter hexadecimal numbers (0 to 9, A to F, a to f).

Input method/Number of the characters for pre-shared key

Characters	8 to 63 (one-byte alphanumerics and symbols)
Hexadecimal numbers	64 (0 to 9, A to F, a to f)

- ⑤ Cancel the settings.
⑥ Click the button to confirm the set values.

If any of the set values is incorrect, a dialog box appears.

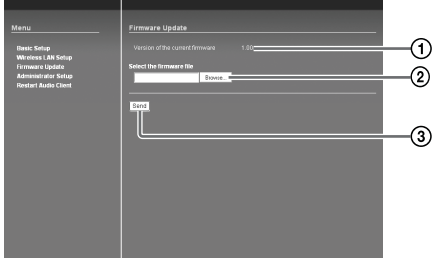
Click [Setup] to show the set values. Correct them if necessary.

Notes

- Use a security key or a pre-shared key that cannot be easily guessed.
- Periodically change the security key and the pre-shared key to ensure the network security.

Firmware update window

Update the firmware for the CPF-IX001.



- ① The version of the current firmware is displayed.
② Select the firmware file you want to update.
Click [Browse] to show the dialog for selecting the firmware.
③ Click the button to update.

When you click the button, the firmware confirmation window appears.

If you select the right firmware, updating starts. The CPF-IX001 restarts automatically when the update is completed.

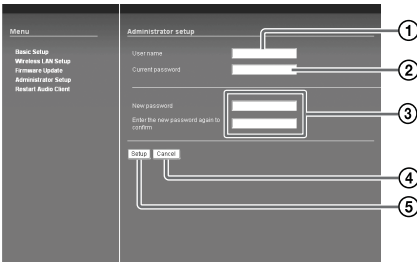
If you select an incorrect firmware, click [Retry] and select the correct one.

Notes

- Do not restart the CPF-IX001, set it to the suspended mode, or turn off the power while updating the firmware.
- Check the following website for CPF-IX001 firmware updates;
USA:
<http://esupport.sony.com/?ref=http%3A//www.sony.com/index.php>
Canada:
http://www.sony.ca/sonyca/view/english/warranty/consumer_support.shtml
Europe:
<http://support.sony-europe.com/main/main.asp?l=en>

Administrator setup window

Set a user name and a password, or change the password you previously set.



① Enter a user name.

The maximum length of the user name should be 16 characters.

② Enter the current password.

For security reasons, do not use the same password as one you use for important items.

The maximum length of the password should be 16 characters.

③ Enter a new password.

Enter the new password again to confirm.

The maximum length of the new password should be 16 characters.

④ Cancel the settings.

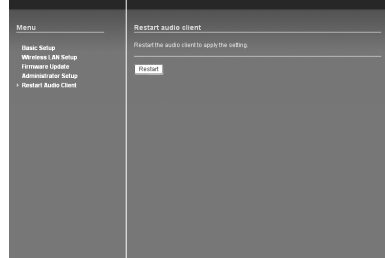
⑤ Click the button to confirm the set values.

If any of the set values is incorrect, a dialog box appears.

Click [Setup] to show the set values. Correct the values if necessary.

Restart audio client window

Restart the CPF-IX001 to apply your settings.



Tip

The settings will not become effective unless you restart the CPF-IX001.

Glossary

AES (Advanced Encryption Standard)

An encryption protocol employed by the wireless LAN encryption systems WPA and WPA2. AES has more advanced security functions than TKIP.

Default gateway

When communicating with devices that exist on a different network, the data is first transferred to a node (relay point) called a gateway. However, when the gateway to which the data should be transmitted is not known, the data is transferred to the most typical node called the default gateway.

DHCP (Dynamic Host Configuration Protocol)

A system for automatically allocating configuration data required for an Internet connection.

IP address

IP addresses usually comprise four groups of up to three digits each, separated by a period (such as 192.168.239.1). All devices on a network must have an IP address.

MAC address (Media Access Control Address)

A unique number set to identify a network interface on a network. A unique address is assigned to each interface connected to a network.

SSID (Service Set Identifier)

The name used by a wireless LAN to identify a specific network. The same SSID is set for both the wireless LAN router and the device with wireless LAN functions, and wireless communication is possible between devices with matching SSID.

Subnet mask

Part of an IP address that identifies the subnet, a smaller group on the network.

TKIP (Temporal Key Integrity Protocol)

An encryption protocol employed by the wireless LAN encryption systems WPA and WPA2. TKIP prevents decoding of encryption keys and spoofing, and has more advanced security functions than WEP.

WEP (Wired Equivalent Privacy)

A data encryption system employed by wireless LAN. WEP technology uses the same 64-bit or 128-bit encryption key for both devices communicating over a wireless LAN to prevent data from being decoded by other devices.

WPA (Wi-Fi Protected Access)

The wireless LAN encryption standard advocated by the wireless LAN industry group Wi-Fi Alliance. The WPA standard features stronger security than WEP.

WPA2 (Wi-Fi Protected Access 2)

The new wireless LAN encryption standard advocated by the wireless LAN industry group Wi-Fi Alliance. The WPA2 standard features even stronger security than WPA.

Precautions

On safety

- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.
- Unplug the system from the wall outlet (mains) if it is not to be used for an extended period of time. To disconnect the power cord (mains lead), pull it out by the plug. Never pull the cord itself.
- Should any solid object or liquid fall into the system, unplug the system and have it checked by qualified personnel before operating it any further.
- AC power cord (mains lead) must be changed only at the qualified service shop.
- Use only the supplied subwoofer (AC power adaptor). Do not use any other AC power adaptor.



Polarity of the plug

On placement

- Do not place the system in an inclined position.
- Do not place the system in locations where it is;
 - Extremely hot or cold
 - Dusty or dirty
 - Very humid
 - Subject to vibrations
 - Subject to direct sunlight.
- Use caution when placing the unit on surfaces that have been specially treated (with wax, oil, polish, etc.) as staining or discoloration of the surface may result.

On heat buildup

- Although the system heats up during operation, this is not a malfunction.
- Place the system in a location with adequate ventilation to prevent heat buildup in the system.
- If you continuously use this system at a high volume, the cabinet temperature of the top, side and bottom rises considerably. To avoid burning yourself, do not touch the cabinet.
- To prevent a malfunction, do not cover the ventilation hole.

If you have any questions or problems concerning your system, please consult your nearest Sony dealer.

Cleaning the cabinet

Clean the cabinet, panel and controls with a soft cloth slightly moistened with mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as thinner, benzine or alcohol.

Specifications

Amplifier section

For the U.S.A. model

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

(FTC Output Power)

L/R	5 W/ch 8 ohm at 300 – 20,000 Hz, 10% THD
SW	15 W 4 ohm at 50 – 300 Hz, 10% THD

Main unit (ACTIVE SPEAKER CPF-NW001P)

Continuous RMS power output (reference):

5 W + 5 W
(1 kHz, 10% THD)

Inputs

WM-PORT: 22-pin
Compatible model:
Network unit (NAS-IX001P)

LINE IN: input mini jack (stereo)

Speaker units: 28 mm dia.

Dimensions (w/h/d): Approx. 206 × 53 × 88 mm

Mass: Approx. 0.45 kg

Power requirements: DC IN: 12 V, 1.0 A

Subwoofer (SA-NW001P)

Continuous RMS power output (reference):

15 W (100 Hz, 10% THD)

Speaker units: 70 mm dia.

Dimensions (w/h/d): Approx. 218 × 74 ×
131 mm, incl. projecting
parts

Mass: Approx. 1.3 kg

Power requirements: AC:
For USA and Canadian
model: 120 V, 18W,
50/60 Hz
For European model:
220 – 240 V, 18 W,
50/60 Hz
(DC OUT: 12 V, 1.0 A)

Network unit (NETWORK AUDIO SYSTEM NAS-IX001P)

Standard: IEEE802.11b/g

Channels: CH1 to CH11

Power requirements: DC IN: 5 V, 700 mA

General

Operating temperature: 10°C to 35°C

Supplied items

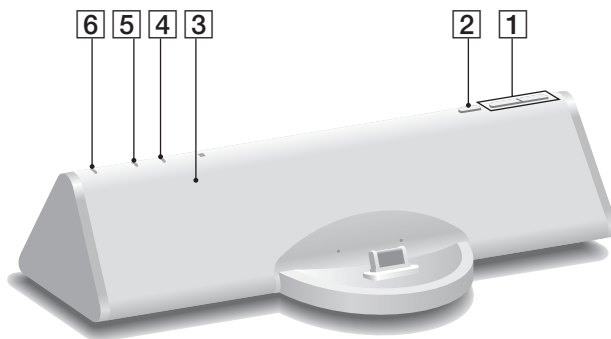
See page 7.

Design and specifications are subject to change without notice.

List of button locations and reference pages

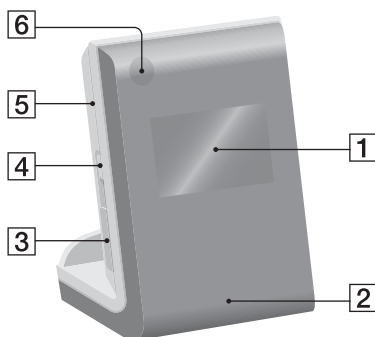
Main unit

- | | |
|--|--------------------------------------|
| 1 VOLUME +/- (15) | 4 SURROUND indicator (22) |
| 2 FUNCTION (14, 16, 17, 18, 23) | 5 LINE indicator (14, 16, 17) |
| 3 Remote sensor (inside) | 6 ON indicator (12) |



Network unit

- | | |
|-------------------------------|----------------------------------|
| 1 Display window | 4 WIRELESS/WIRED selector |
| 2 Network illumination | 5 RESET hole (25) |
| 3 LAN port | 6 Remote sensor |



Subwoofer

1 Power switch I/O (12)



Additional Information

Remote control

Buttons for main unit

- 8** VOL +/- (15)
- 9** TREBLE +/- (22)
- 10** BASS +/- (22)
- 11** EQ OFF (22)
- 12** SURROUND (22)
- 21** FUNCTION (14, 16, 17, 18, 23)

Buttons for network unit

- 1** SUSPEND (On/Suspended mode) (12, 20)
 - 2** DISPLAY (12, 23)
 - 3** TIME (23)
 - 4** REPEAT (15)
 - 5** PLAY MODE (15)
- MUSIC SURFIN'
- 6** ALL (14)
 - 6** GENRE (14)
 - 6** ARTIST (14)
 - 6** ALBUM (14)

- 7** +/- (select item) (15, 16, 17, 18)
 - 13** WEB RADIO (18)
 - 14** PLAYLIST (16, 17)
 - 15** ENTER (17, 19, 20, 21)
 - 16** MENU +/-
 - 16** ◀◀/▶▶ (go back/go forward) (15, 18, 19)
 - 17** MENU (19)
 - 18** ←CURSOR/CURSOR→
 - 18** ◀◀/▶▶ (rewind/fast forward) (15, 18, 20)
 - 19** ▶▶ (play) (15)
 - 19** || (pause) (15, 18)
 - 19** ■ (stop) (15, 18)
- FAVORITE
- 20** CALL (17)
 - 20** ADD (17)
 - 20** DEL (17)
 - 22** SLEEP (22)

